Refine Search

Search Results -

Terms	Documents
L1 and set near parameters and (anomaly or irregular or different) and correct\$3	16

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Search:

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Refine Search

Search History

DATE: Saturday, July 23, 2005 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	<u>Set</u> <u>Name</u> result set
DB=P	GPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR		
<u>L3</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3	16	<u>L3</u>
<u>L2</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3 and locomotive	0	<u>L2</u>
<u>L1</u>	700/79-82.ccls.	1003	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 16 of 16 returned.

1. Document ID: US 20020147511 A1

L3: Entry 1 of 16 File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147511

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020147511 A1

TITLE: Enhanced hart device alerts in a process control system

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Eryurek, Evren Minneapolis MN US Westbrock, Jon Dale Eagan MN US Llewellyn, Craig Thomas Bloomington MN US

US-CL-CURRENT: 700/80

Full Title Citation Fr	ont Review Classification	Date Reference Sequences	: Attachments Claims k	OMC Draw De
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2. Document ID: US 20020055790 A1

L3: Entry 2 of 16 File: PGPB May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055790

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020055790 A1

TITLE: Enhanced device alarms in a process control system

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Havekost, Robert B. Austin TX US

US-CL-CURRENT: 700/80; 340/523

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. Da

3. Document ID: US 20020022894 A1

L3: Entry 3 of 16

File: PGPB

Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020022894

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020022894 A1

TITLE: Enhanced fieldbus device alerts in a process control system

PUBLICATION-DATE: February 21, 2002

INVENTOR-INFORMATION:

NAME CITY COUNTRY STATE RULE-47 Eryurek, Evren Minneapolis US MN Ramachandran, Ram Austin ΤX US Scott, Cindy Alsup Georgetown ΤX US Schleiss, Trevor Duncan Austin TXUS

US-CL-CURRENT: <u>700/80</u>; <u>700/21</u>

Full Title Citation	Front Review Classification	Date Reference :	Sequences Attachments	Claims KWAC Draw. De

4. Document ID: US 6810292 B1

L3: Entry 4 of 16

File: USPT

Oct 26, 2004

US-PAT-NO: 6810292

DOCUMENT-IDENTIFIER: US 6810292 B1

TITLE: Method for nonvolatile storage of at least one operating data value of an electrical motor, and electrical motor for said method

electrical motor, and electrical motor for said method

DATE-ISSUED: October 26, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Rappenecker; Hermann Vohrenbach DE Jeske; Frank St. Georgen DE Hornberger; Jorg Dornstetten DE Karwath; Arno Rottweil DE

US-CL-CURRENT: 700/82; 701/51, 711/161

Full Title Citation Front Review	Classification Date Reference	Claims	RMC Draw De
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5. Document ID: US 6631310 B1

L3: Entry 5 of 16

File: USPT

Oct 7, 2003

Record List Display Page 3 of 8

US-PAT-NO: 6631310

DOCUMENT-IDENTIFIER: US 6631310 B1

TITLE: Wireless engine-generator systems digital assistant

DATE-ISSUED: October 7, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Leslie; David S. Wheaton IL

US-CL-CURRENT: 700/292; 700/21, 700/79, 702/67, 713/340



6. Document ID: US 6438440 B1

L3: Entry 6 of 16

File: USPT

Aug 20, 2002

US-PAT-NO: 6438440

DOCUMENT-IDENTIFIER: US 6438440 B1

TITLE: Method and system for managing semiconductor manufacturing equipment

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hayashi; Shunji Miyazaki Jp

US-CL-CURRENT: 700/121; 382/115, 382/118, 382/278, 382/309, 700/108, 700/117,

 $\frac{700}{32}$, $\frac{700}{78}$, $\frac{700}{79}$, $\frac{702}{185}$, $\frac{702}{28}$, $\frac{702}{84}$, $\frac{702}{85}$

7. Document ID: US 6097995 A

L3: Entry 7 of 16 File: USPT Aug 1, 2000

US-PAT-NO: 6097995

DOCUMENT-IDENTIFIER: US 6097995 A

TITLE: Hazardous materials and waste reduction management system

DATE-ISSUED: August 1, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Tipton; David K. Berea KY Gozy; Darren W. Berea KY

Coleman; David A.

Berea KY

US-CL-CURRENT: 700/266; 700/79, 700/80, 700/91, 705/28

Full Title Citation Front Review Classification	Date Reference	Claims 1000C Draw De
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8. Document ID: US 5786994 A		•
L3: Entry 8 of 16	File: USPT	Jul 28, 1998

US-PAT-NO: 5786994

DOCUMENT-IDENTIFIER: US 5786994 A

TITLE: Performance monitoring system and method for a laser medical imager

DATE-ISSUED: July 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Friz; Robert N.	Cottage Grove	WA		
Hunter; Mark D.	Woodbury	MN		
Rowen; Douglas J.	St. Paul	MN		•
Craig; Steven J.	St. Paul	MN		
Langmade; Todd G.	Mahtomedi	MN		
McMacken; Charles N.	Apple Valley	MN		

US-CL-CURRENT: $\underline{700}/\underline{79}$; $\underline{345}/\underline{660}$, $\underline{382}/\underline{131}$, $\underline{702}/\underline{182}$

Full Title Citation Front Review Cl.	assification Date Reference	Claims KMC Draw De
9. Document ID: US 5740	028 A	
L3: Entry 9 of 16	File: USPT	Apr 14, 1998

US-PAT-NO: 5740028

DOCUMENT-IDENTIFIER: US 5740028 A

** See image for <u>Certificate of Correction</u> **

TITLE: Information input/output control device and method therefor

DATE-ISSUED: April 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sugiyama; Mitsumasa	Kawasaki			JP
Sugiura; Susumu	Atsugi		·	JP
Yokomizo; Yoshikazu	Yokohama			JP
Mita; Yoshinobu	Kawasaki			JP
Takaoka; Makoto	Yokohama			JP

Kobayashi; Shigetada	Tokyo	JP
Shishizuka; Junichi	Kawasaki	JP
Negishi; Tsutomu	Tokyo	JP
Yamada; Osamu	Yokohama	JP
Toda; Yukari	Yokohama	JP
Saito; Kazuhiro	Yokohama	JP
Toda; Masanari	Yokohama	JP
Hashimoto; Yasuhiko	Tokyo	JP
Fukuda; Yasuo	Yokohama	JP

US-CL-CURRENT: 725/149; 700/28, 700/79, 709/223

Full Title Citation Front Review Cias	ssification Date Reference	Claims KMC Draw De
10. Document ID: US 5253		
L3: Entry 10 of 16	File: USPT	Oct 12, 1993

US-PAT-NO: 5253360

DOCUMENT-IDENTIFIER: US 5253360 A

** See image for <u>Certificate of Correction</u> **

TITLE: Facsimile device having continuous operating capabilities immediately after recovery from trouble and related method

DATE-ISSUED: October 12, 1993

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hayashi; Katsuhiko Tachikawa Jp

US-CL-CURRENT: 714/16; 358/400, 700/82

Full Title Citation Front Review Classif	ication Date Reference	Claims KMC Draw Do
☐ 11. Document ID: US 485815	52 A	
L3: Entry 11 of 16	File: USPT	Aug 15, 1989

US-PAT-NO: 4858152

DOCUMENT-IDENTIFIER: US 4858152 A

TITLE: Operator access to monitoring applications

DATE-ISSUED: August 15, 1989

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Estes; Mark W. Dallas TX

Record List Display

US-CL-CURRENT: 702/186; 345/589, 700/80, 700/9, 702/188, 715/966, 715/978

12. Document ID: US 4675147 A

L3: Entry 12 of 16

File: USPT

Jun 23, 1987

US-PAT-NO: 4675147

DOCUMENT-IDENTIFIER: US 4675147 A

TITLE: Generating an integrated graphic display of the safety status of a complex

process plant

DATE-ISSUED: June 23, 1987

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Schaefer; William F. North Huntingdon PA Little; James L. Pittsburgh PA

Cooper; Kenneth F. Pittsburgh PA Easter; James R. Pittsburgh PA

US-CL-CURRENT: 376/245; 345/440, 345/441, 700/79, 700/83, 702/182, 976/DIG.298

Full Title Citation Front Review Classification Date Reference Claims KMC Draw De

13. Document ID: US 4507735 A

L3: Entry 13 of 16 File: USPT Mar 26, 1985

US-PAT-NO: 4507735

DOCUMENT-IDENTIFIER: US 4507735 A

TITLE: Method and apparatus for monitoring and controlling well drilling parameters

DATE-ISSUED: March 26, 1985

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Moorehead; Robert M. Richardson TX
Eppler; Susan G. Richardson TX
Anderson; Mardis V. Richardson TX

US-CL-CURRENT: 702/9; 324/323, 340/3.7, 340/853.1, 340/856.3, 367/25, 367/911,

700/3, 700/80, 73/152.19, 73/152.46

14. Document ID: US 4303973 A

L3: Entry 14 of 16

File: USPT

Dec 1, 1981

US-PAT-NO: 4303973

DOCUMENT-IDENTIFIER: US 4303973 A

TITLE: Industrial process control system

DATE-ISSUED: December 1, 1981

INVENTOR-INFORMATION:

NAME.

CITY

STATE ZIP CODE

COUNTRY

Williamson, Jr.; Robert A.

Ford; Roger W.

Medfield Walpole

le MA

MA

US-CL-CURRENT: 700/84; 700/80, 700/9

Full Title Citation	Front Review Classifi	oation Date Reference		Claims KMC Draw Do
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15. Document ID: US 4189765 A

L3: Entry 15 of 16

File: USPT

Feb 19, 1980

US-PAT-NO: 4189765

DOCUMENT-IDENTIFIER: US 4189765 A

TITLE: Digital controller

DATE-ISSUED: February 19, 1980

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Kotalik; Richard J.

Santa Ana Houston CA

Lupfer; Dale E.
Pottenger; Rique L.

Los Angeles

CA

US-CL-CURRENT: 700/83; 700/80

Full Title	Citation Frent 1	Review Classification	Date Reference		Claims	KMC	Draw, Do
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***************************************	······································	·····	***************************************		***************************************	********	***************************************
· 🗀 16.	Document ID:	US 4167785 A			•		
L3: Entry	16 of 16		File: U	SPT	Sep	11,	1979

US-PAT-NO: 4167785

DOCUMENT-IDENTIFIER: US 4167785 A

TITLE: Traffic coordinator for arterial traffic system

DATE-ISSUED: September 11, 1979

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

McReynolds; Marshall B.

Arlington

VA

Van Tilbury; Jack D.

Arlington

Oscar; Irving S.

Washington

VA DC

US-CL-CURRENT: $\underline{701}/\underline{118}$; $\underline{340}/\underline{911}$, $\underline{700}/\underline{3}$, $\underline{700}/\underline{82}$, $\underline{700}/\underline{83}$

Full Title Citation Front Review Classification Date Reference	Claims KMC Draw.
Clear Generate Collection Print Fwd Refs Bkwd Refs	Generate OACS
Terms	Documents

Display Format: -

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Previous Page

Next Page

Go to Doc#

Refine Search

Search Results -

Terms	Documents
L4 and locomotive	5

Database:

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Search:

L5 			Refine Search
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Search History

DATE: Saturday, July 23, 2005 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
DB=P	GPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR		
<u>L5</u>	L4 and locomotive	5	<u>L5</u>
<u>L4</u>	L1 and parameters and (anomaly or irregular or different) and correct\$3	194	<u>L4</u>
<u>L3</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3	16	<u>L3</u>
<u>L2</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3 and locomotive	0	<u>L2</u>
<u>L1</u>	700/79-82.ccls.	1003	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20040078099 A1

L5: Entry 1 of 5

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040078099

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040078099 A1

TITLE: Method and system for analyzing operational parameter data for diagnostics

and repairs

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Varma, Anil Clifton Park NY US Roddy, Nicholas Edward Clifton Park NY US Gibson, David Richard North East PA US

US-CL-CURRENT: <u>700/52</u>; <u>700/73</u>, <u>700/79</u>

F:	ill T	itle	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draws De
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2. Document ID: US 6650949 B1

L5: Entry 2 of 5

File: USPT

Nov 18, 2003

US-PAT-NO: 6650949

DOCUMENT-IDENTIFIER: US 6650949 B1

TITLE: Method and system for sorting incident log data from a plurality of machines

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Fera; Gregory J. Erie PA
McQuown; Christopher M. Erie PA
Reichenbach; Bryan S. Erie PA
Wisniewski; Edward P. Erie PA

US-CL-CURRENT: 700/79; 702/183, 714/25, 714/26, 714/48

Full Title Citation Front Review Classification Date Reference

3. Document ID: US 6625589 B1

L5: Entry 3 of 5

File: USPT

Sep 23, 2003

US-PAT-NO: 6625589

DOCUMENT-IDENTIFIER: US 6625589 B1

TITLE: Method for adaptive threshold computation for time and frequency based

anomalous feature identification in fault log data

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Varma; Anil Clifton Park NY Roddy; Nicholas Edward Clifton Park NY

US-CL-CURRENT: 706/45; 700/79, 706/21

4. Document ID: US 6473659 B1

L5: Entry 4 of 5

File: USPT

Oct 29, 2002

US-PAT-NO: 6473659

DOCUMENT-IDENTIFIER: US 6473659 B1

TITLE: System and method for integrating a plurality of diagnostic related

information

DATE-ISSUED: October 29, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Shah; Rasiklal Punjalal Latham NY
Ramani; Vipin Kewal Niskayuna NY
Wallenslager; Susan Teeter Waukesha WI
Dailey; Christopher James Summerville SC

US-CL-CURRENT: 700/79; 382/141, 382/157, 702/179, 714/25, 714/26

Full Title Citation Front Review Classification Date Reference

5. Document ID: US 4695941 A

L5: Entry 5 of 5

File: USPT

Sep 22, 1987

US-PAT-NO: 4695941

DOCUMENT-IDENTIFIER: US 4695941 A

TITLE: Loss of electrical feedback detector

DATE-ISSUED: September 22, 1987

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Kumar; Ajith K.

Erie PA

US-CL-CURRENT: $\underline{700}/\underline{45}$; $\underline{318}/\underline{565}$, $\underline{700}/\underline{79}$, $\underline{701}/\underline{114}$

Full	itie Citation	Front	Review	Classification	Date	Referenc	e e				Claims	KOMC	Drawa De
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Previous Page Next Page Go to Doc#

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Search Results -

Terms	Documents
(6,636,771 6,343,236).pn.	4

Database:

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Search:

L6			Refine Search
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DATE: Saturday, July 23, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=NO; OP=OR		
<u>L6</u>	(6,636,771 6,343,236).pn.	4	<u>L6</u>
<u>L5</u>	L4 and locomotive	5	<u>L5</u>
<u>L4</u>	L1 and parameters and (anomaly or irregular or different) and correct\$3	194	<u>L4</u>
<u>L3</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3	16	<u>L3</u>
<u>L2</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3 and locomotive	0	<u>L2</u>
<u>L1</u>	700/79-82.ccls.	1003	L1

END OF SEARCH HISTORY

Hit List

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 6636771 B1

L6: Entry 1 of 4

File: USPT

Oct 21, 2003

US-PAT-NO: 6636771

DOCUMENT-IDENTIFIER: US 6636771 B1

TITLE: Method and system for analyzing continuous parameter data for diagnostics

and repairs

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Varma; Anil Clifton Park NY Roddy; Nicholas Edward Clifton Park NY Gibson; David Richard North East PA

US-CL-CURRENT: 700/79; 700/21, 701/19, 701/29, 714/25, 714/37

Full Title Citation Front Review Classification Date Reference Citation Claims KMC Draw De

2. Document ID: US 6343236 B1

L6: Entry 2 of 4

File: USPT

Jan 29, 2002

US-PAT-NO: <u>6343236</u>

DOCUMENT-IDENTIFIER: US 6343236 B1

TITLE: Method and system for analyzing fault log data for diagnostics

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Gibson; David Richard North East PA
Roddy; Nicholas Edward Clifton Park NY
Varma; Anil Clifton Park NY

US-CL-CURRENT: 700/79; 700/110, 700/177, 714/2, 714/26

Record List Display Page 2 of 3

Full Title Citation Front Review Classification Date Reference Citation Claims KMC Draw Do

3. Document ID: US 6636771 B1

L6: Entry 3 of 4

File: DWPI

Oct 21, 2003

DERWENT-ACC-NO: 2003-851344

DERWENT-WEEK: 200501

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TITLE: Analyzing continuous parameter data from malfunctioning locomotive, by identifying at least one repair for corresponding distinct anomaly cluster using

the weighted repair and distinct anomaly cluster combinations

INVENTOR: GIBSON, D R; RODDY, N E; VARMA, A

PRIORITY-DATA: 1999US-162045P (October 28, 1999); 1999US-0285611 (April 2, 1999),

2000US-0688105 (October 13, 2000)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC

<u>US 6636771 B1</u> October 21, 2003 017 G05B009/02

INT-CL (IPC): G05 B 9/02; G05 B 11/01

Full Title Citation Front Review Classification Date Reference Citation Claims KildiC Draw De

4. Document ID: WO 200060465 A1, AU 200040603 A, US 6343236 B1, US 6415395 B1, MX 2001009848 A1

.L6: Entry 4 of 4

File: DWPI

Oct 12, 2000

DERWENT-ACC-NO: 2001-070546

DERWENT-WEEK: 200501

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TITLE: Fault log data analysis for diagnosing and repairing locomotive, involves identifying repair for distinct fault cluster using weighted repair and distinct

fault cluster combination

INVENTOR: GIBSON, D R; RODDY, N E; VARMA, A

PRIORITY-DATA: 1999US-0285612 (April 2, 1999), 1999US-0285611 (April 2, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200060465 A1	October 12, 2000	E	046	G06F011/25
AU 200040603 A	October 23, 2000		000	
US 6343236 B1	January 29, 2002		000	G05B009/02
<u>US 6415395 B1</u>	July 2, 2002		000	G06F011/00
MX 2001009848 A1	June 1, 2002		000	G06F011/25

INT-CL (IPC): $\underline{G05} \ \underline{B} \ \underline{9/02}$; $\underline{G06} \ \underline{F} \ \underline{11/00}$; $\underline{G06} \ \underline{F} \ \underline{11/25}$; $\underline{G06} \ \underline{F} \ \underline{19/00}$

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	Terms							Ocuments	<u> </u>			
(6,636,771 6,343,236).pn.							4					

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Previous Page Next Page Go to Doc#

Refine Search

Search Results -

Terms	Documents
L7 and locomotive	5

Database:

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EPO Abstracts Database
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Search:

L8			<u> </u>	Refine Search
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Search History

DATE: Saturday, July 23, 2005 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	<u>Set</u> <u>Name</u> result set
DB=P	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=NO; OP=OR		
<u>L8</u>	L7 and locomotive	5	<u>L8</u>
<u>L7</u>	L4 and malfunction	71	<u>L7</u>
<u>L6</u>	(6,636,771 6,343,236).pn.	4	<u>L6</u>
<u>L5</u>	L4 and locomotive	5	<u>L5</u>
<u>L4</u>	L1 and parameters and (anomaly or irregular or different) and correct\$3	194	<u>L4</u>
<u>L3</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3	. 16	<u>L3</u>
<u>L2</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3 and locomotive	0	<u>L2</u>
<u>L1</u>	700/79-82.ccls.	1003	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear Generate Collection Print Fwd Refs Blwd Refs

Generate OACS

Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20040078099 A1

L8: Entry 1 of 5

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040078099

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040078099 A1

TITLE: Method and system for analyzing operational parameter data for diagnostics

and repairs

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Varma, Anil Clifton Park NY US Roddy, Nicholas Edward Clifton Park NY US Gibson, David Richard North East PA US

US-CL-CURRENT: 700/52; 700/73, 700/79

"Full Title Citation Front	Review Classification Dat	e Reference Sequences	Attachments Claims	KWMC Draw De

2. Document ID: US 6650949 B1

L8: Entry 2 of 5

File: USPT

Nov 18, 2003

US-PAT-NO: 6650949

DOCUMENT-IDENTIFIER: US 6650949 B1

TITLE: Method and system for sorting incident log data from a plurality of machines

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Fera; Gregory J. Erie PA
McQuown; Christopher M. Erie PA
Reichenbach; Bryan S. Erie PA
Wisniewski; Edward P. Erie PA

US-CL-CURRENT: 700/79; 702/183, 714/25, 714/26, 714/48

3. Document ID: US 6625589 B1

L8: Entry 3 of 5

File: USPT

Sep 23, 2003

US-PAT-NO: 6625589

DOCUMENT-IDENTIFIER: US 6625589 B1

TITLE: Method for adaptive threshold computation for time and frequency based

anomalous feature identification in fault log data

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME

CITY STATE ZIP CODE COUNTRY

Varma; Anil Roddy; Nicholas Edward Clifton Park Clifton Park NY NY

US-CL-CURRENT: 706/45; 700/79, 706/21

Full Title Citation Front Review Classification Date Reference

4. Document ID: US 6473659 B1

L8: Entry 4 of 5

File: USPT

Oct 29, 2002

US-PAT-NO: 6473659

DOCUMENT-IDENTIFIER: US 6473659 B1

TITLE: System and method for integrating a plurality of diagnostic related

information

DATE-ISSUED: October 29, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Shah; Rasiklal Punjalal Latham NY
Ramani; Vipin Kewal Niskayuna NY
Wallenslager; Susan Teeter Waukesha WI
Dailey; Christopher James Summerville SC

US-CL-CURRENT: 700/79; 382/141, 382/157, 702/179, 714/25, 714/26

5. Document ID: US 4695941 A

L8: Entry 5 of 5

File: USPT

Sep 22, 1987

US-PAT-NO: 4695941

DOCUMENT-IDENTIFIER: US 4695941 A

TITLE: Loss of electrical feedback detector

DATE-ISSUED: September 22, 1987

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Kumar; Ajith K.

Erie PA

US-CL-CURRENT: 700/45; 318/565, 700/79, 701/114

Full 7	itie Citation	Front	Review	Classification	Date	Referens	:e			Ţ	la ims	KWAC	Drawe D
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<u>L9</u>	L8 and cluster	3	<u>L9</u>
<u>L8</u>	L7 and locomotive	5	<u>L8</u>
<u>L7</u>	L4 and malfunction	71	<u>L7</u>
<u>L6</u>	(6,636,771 6,343,236).pn.	4	<u>L6</u>
<u>L5</u>	L4 and locomotive	. 5	<u>L5</u>
<u>L4</u>	L1 and parameters and (anomaly or irregular or different) and correct\$3	194	<u>L4</u>
<u>L3</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3	16	<u>L3</u>
<u>L2</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3 and locomotive	0	<u>L2</u>
<u>L1</u>	700/79-82.ccls.	1003	<u>L1</u>

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Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20040078099 A1

L9: Entry 1 of 3

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040078099

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040078099 A1

TITLE: Method and system for analyzing operational parameter data for diagnostics

and repairs

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Varma, Anil Clifton Park NY US Roddy, Nicholas Edward Clifton Park NY US Gibson, David Richard North East PA US

US-CL-CURRENT: 700/52; 700/73, 700/79

Fuil	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Kowc	Отаво Ое
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2. Document ID: US 6650949 B1

L9: Entry 2 of 3

File: USPT

Nov 18, 2003

US-PAT-NO: 6650949

DOCUMENT-IDENTIFIER: US 6650949 B1

TITLE: Method and system for sorting incident log data from a plurality of machines

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

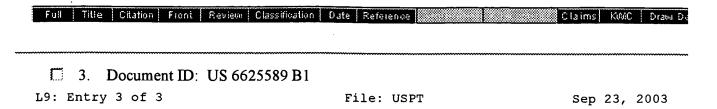
Fera; Gregory J. Erie PA

McQuown; Christopher M. Erie PA

Reichenbach; Bryan S. Erie PA

Wisniewski; Edward P. Erie PA

US-CL-CURRENT: 700/79; 702/183, 714/25, 714/26, 714/48



US-PAT-NO: 6625589

DOCUMENT-IDENTIFIER: US 6625589 B1

TITLE: Method for adaptive threshold computation for time and frequency based

anomalous feature identification in fault log data

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Varma; Anil Clifton Park NY Roddy; Nicholas Edward Clifton Park NY

US-CL-CURRENT: 706/45; 700/79, 706/21

Full	Title Citation	Front Review	Classification	Date	Reference			Claims	KWMC	Drawe De
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<u>L10</u>	parameters and (anomaly or irregular or different) and correct\$3 and locomotive and malfunction and cluster	14	<u>L10</u>
<u>L9</u>	L8 and cluster	3	<u>L9</u>
<u>L8</u>	L7 and locomotive	5	<u>L8</u>
<u>L7</u> ·	L4 and malfunction	71	<u>L7</u>
<u>L6</u>	(6,636,771 6,343,236).pn.	4	<u>L6</u>
<u>L5</u>	L4 and locomotive	5	<u>L5</u>
<u>L4</u>	L1 and parameters and (anomaly or irregular or different) and correct\$3	194	<u>L4</u>
<u>L3</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3	16	<u>L3</u>
<u>L2</u>	L1 and set near parameters and (anomaly or irregular or different) and correct\$3 and locomotive	0	<u>L2</u>

<u>L1</u> 700/79-82.ccls.

1003 <u>L1</u>

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Search Results - Record(s) 1 through 14 of 14 returned.

1. Document ID: US 20050114007 A1

L10: Entry 1 of 14 File: PGPB May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050114007

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050114007 A1

TITLE: Multi-network control system for a vehicle

PUBLICATION-DATE: May 26, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Pillar, Duane R. Oshkosh WI US

Frampton, Dale E. Appleton WI US

US-CL-CURRENT: 701/82; 701/2

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Full Title	Citation Front	Review Classification	Date	Reference	Sequences	Attachments	Claims	1000C Draw, De
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2. Document ID: US 20050113988 A1

L10: Entry 2 of 14 File: PGPB May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050113988

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050113988 A1

TITLE: Failure mode operation for an electric vehicle

PUBLICATION-DATE: May 26, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Nasr, Nader Neenah WI US Yakes, Christopher K. Oshkosh WI US Zhang, Rongjun Neenah WI US Pillar, Duane R. Oshkosh WI US

US-CL-CURRENT: 701/22; 701/2, 701/36

Record List Display Page 2 of 7

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw De

3. Document ID: US 20040078099 A1

L10: Entry 3 of 14

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040078099

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040078099 A1

TITLE: Method and system for analyzing operational parameter data for diagnostics

and repairs

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Varma, Anil Clifton Park NY US Roddy, Nicholas Edward Clifton Park NY US Gibson, David Richard North East PA US

US-CL-CURRENT: 700/52; 700/73, 700/79

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

4. Document ID: US 20040073844 A1

L10: Entry 4 of 14

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073844

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040073844 A1

TITLE: Method and apparatus for diagnosing difficult diagnose faults in a complex

system .

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Unkle, C. Richard Fairview PA US Roddy, Nicholas Edward Clifton Park NY US

US-CL-CURRENT: 714/39

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims MMC Disoute

5. Document ID: US 20030208706 A1

Record List Display Page 3 of 7

L10: Entry 5 of 14

File: PGPB

Nov 6, 2003

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030208706

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030208706 A1

TITLE: Method and system for analyzing fault and quantized operational data for

automated diagnostics of locomotives

PUBLICATION-DATE: November 6, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Roddy, Nicholas E. Clifton Park NY US
Dean, Jason A. Erie PA US

US-CL-CURRENT: 714/48

Full	T	itle Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	
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	6	. Docume	nt ID:	US 200	030055666	A1						

File: PGPB

L10: Entry 6 of 14

PGPUB-DOCUMENT-NUMBER: 20030055666
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030055666 A1

TITLE: System and method for managing a fleet of remote assets

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Roddy, Nicholas E. Clifton Park NY US Gibson, David Richard North East PA US Shaffer, Glenn Robert Erie PA US Schick, Louis Andrew Delmar NY US

US-CL-CURRENT: <u>705/1</u>; <u>705/8</u>

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7. Document ID: US 20020183866 A1

L10: Entry 7 of 14 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183866

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183866 A1

TITLE: Method and system for diagnosing machine malfunctions

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE COUNTRY

RULE-47

Dean, Jason Arthur

Erie

PA

US

Roddy, Nicholas Edward

Clifton Park

NY

US

US-CL-CURRENT: 700/26; 701/29, 702/183

Full Title Citatio	n Front Revi	ew Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, De

8. Document ID: US 6795935 B1

L10: Entry 8 of 14

File: USPT

Sep 21, 2004

US-PAT-NO: 6795935

DOCUMENT-IDENTIFIER: US 6795935 B1

TITLE: Diagnosis of faults in a complex system

DATE-ISSUED: September 21, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Unkle; C. Richard

Fairview Erie PA PA

Bliley; Richard G. Schneider; William R.

Erie

PΑ

Pelkowski; Stephen M.

Erie

PA

US-CL-CURRENT: <u>714/37</u>; <u>340/438</u>, <u>701/19</u>

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Full Title Citation Front	Review Classification D.	ate Reference	Claims 1000C Draw De
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9. Document ID: US 6650949 B1

L10: Entry 9 of 14

File: USPT

Nov 18, 2003

US-PAT-NO: 6650949

DOCUMENT-IDENTIFIER: US 6650949 B1

TITLE: Method and system for sorting incident log data from a plurality of machines

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME

CITY STATE

ZIP CODE

COUNTRY

Fera; Gregory J.

Erie PA

McQuown; Christopher M.

Erie PA

Reichenbach; Bryan S.

Erie PA

Wisniewski; Edward P.

Erie PA

US-CL-CURRENT: 700/79; 702/183, 714/25, 714/26, 714/48

Full Title Citation Front Review Classification Date Reference

10. Document ID: US 6625589 B1

L10: Entry 10 of 14

File: USPT

Sep 23, 2003

Claims KMC Draw De

US-PAT-NO: 6625589

DOCUMENT-IDENTIFIER: US 6625589 B1

TITLE: Method for adaptive threshold computation for time and frequency based

anomalous feature identification in fault log data

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Varma; Anil

Clifton Park

NY

Roddy; Nicholas Edward

Clifton Park

NY

US-CL-CURRENT: 706/45; 700/79, 706/21

Full	Title	Citation	Front	Review	I	Classification	Date	Reference	
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11. Document ID: US 6615367 B1

L10: Entry 11 of 14

File: USPT

Sep 2, 2003

US-PAT-NO: 6615367

DOCUMENT-IDENTIFIER: US 6615367 B1

TITLE: Method and apparatus for diagnosing difficult to diagnose faults in a

complex system

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME.

CITY

STATE ZIP CODE COUNTRY

Unkle; C. Richard

Fairview

PA

Roddy; Nicholas Edward

Clifton Park

NY

US-CL-CURRENT: <u>714/26</u>; <u>706/46</u>

Full Title Citation Front Review Classification Date Reference

Claims KWIC Draw De

12. Document ID: US 6543007 B1

L10: Entry 12 of 14

File: USPT

Apr 1, 2003

US-PAT-NO: 6543007

DOCUMENT-IDENTIFIER: US 6543007 B1

TITLE: Process and system for configuring repair codes for diagnostics of machine

malfunctions

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bliley; Richard Gerald Erie PA Gibson; David Richard North East PA

US-CL-CURRENT: <u>714/26</u>; <u>701/29</u>

Full Title	Citation Front Review Classification	Date Reference	Claims KWC Draw De
		?	
1 3.	Document ID: US 6336065 B1		

13. **Document** 15. Ob 0330003 1

L10: Entry 13 of 14

File: USPT

Jan 1, 2002

US-PAT-NO: 6336065

DOCUMENT-IDENTIFIER: US 6336065 B1

TITLE: Method and system for analyzing fault and snapshot operational parameter

data for diagnostics of machine malfunctions

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Gibson; David Richard North East PA
Roddy; Nicholas Edward Clifton Park NY
Varma; Anil Clifton Park NY

US-CL-CURRENT: 701/29; 340/438, 340/500, 701/35, 701/36

Full Title Citation Front Beginn Classific	ation Date Reference	
red fitte Channel From Regiete Classific	aton trate Reference	Claims KAGC Draw De
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14. Document ID: US 200400	78099 A1	•
L10: Entry 14 of 14	File: DWPI	Apr 22, 2004

DERWENT-ACC-NO: 2004-329268

DERWENT-WEEK: 200430

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TITLE: Analysis method of operational parameter data from locomotive, by

associating, with anomaly cluster, at least one repair for correcting and/or preventing occurrence of locomotive malfunction

INVENTOR: GIBSON, D R; RODDY, N E ; VARMA, A

PRIORITY-DATA: 2000US-0688105 (October 13, 2000), 1999US-0285611 (April 2, 1999),

2003US-0686899 (October 16, 2003)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

US 20040078099 A1

April 22, 2004

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G05B013/02

INT-CL (IPC): G05 B 9/02; G05 B 13/02; G05 B 21/02

Full Title Citation Front Review Classification Date Reference	Claims KWWC	Drawa De
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parameters and (anomaly or irregular or different) and correct\$3 and locomotive and malfunction and cluster	14	

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(Dictionaries, Acronyms Finders, Encyclopedias)

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(30,000 pages of engineering fundamentals and calculators)

Encyclopedia Britannica

Encyclopedia of Software Engineering

Eric Weisstein's World of Mathematics

(A comprehensive online encyclopedia of mathematics.)

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(Search a term to find articles that explain how it works.)

The Internet Encyclopedia

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(Links to numerous technical, specialty, and general glossaries.)

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Wiley Encyclopedia of Electrical and Electronics Engineering

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(Numerous "specialty dictionaries"... technological, law, business related and more.)

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(Full text scientific research papers - in pdf and postscript formats.)

Interfacebus.com

(Listing of Electronic Interface Buses with links to standards and specifications.)

Internet Engineering Task Force

(The IETF Secretariat, run by The Corporation for National Research Initiatives with funding from the US government, maintains an index of Internet-Drafts.)

Nanotechnology

PCI Specifications (username: uspto; password: pat222)

("Peripheral Component Interconnect" specifications and white papers.)

Requests for Comments (RFCs) Database

(Requests for Comments (RFC) document series is a set of technical and organizational notes about the Internet (originally the ARPANET), beginning in 1969 and discussing many aspects of computer networking, including protocols, procedures and concepts as well as meeting notes and opinions.)

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Wayback Machine

(Archived web pages.)

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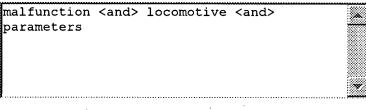
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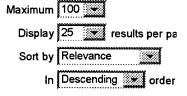
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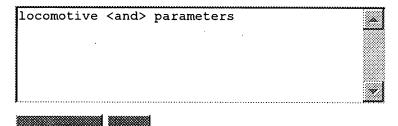
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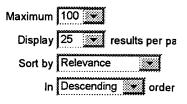
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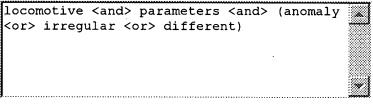
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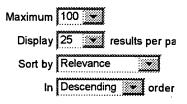
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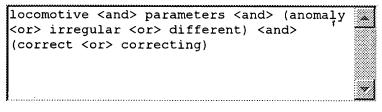
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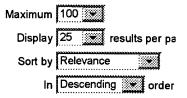
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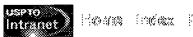
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(Full text scientific research papers - in pdf and postscript formats.)

Interfacebus.com

(Listing of Electronic Interface Buses with links to standards and specifications.)

Internet Engineering Task Force

(The IETF Secretariat, run by The Corporation for National Research Initiatives with funding from the US government, maintains an index of Internet-Drafts.)

Nanotechnology

PCI Specifications (username: uspto; password: pat222)

("Peripheral Component Interconnect" specifications and white papers.)

Requests for Comments (RFCs) Database

(Requests for Comments (RFC) document series is a set of technical and organizational notes about the Internet (originally the ARPANET), beginning in 1969 and discussing many aspects of computer networking, including protocols, procedures and concepts as well as meeting notes and opinions.)

<u>Scirus</u>

Usenet Archive (Google Groups)

Wayback Machine

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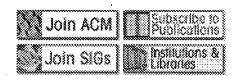
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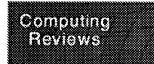
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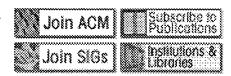
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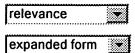
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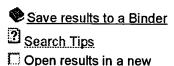
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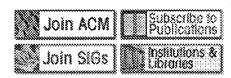
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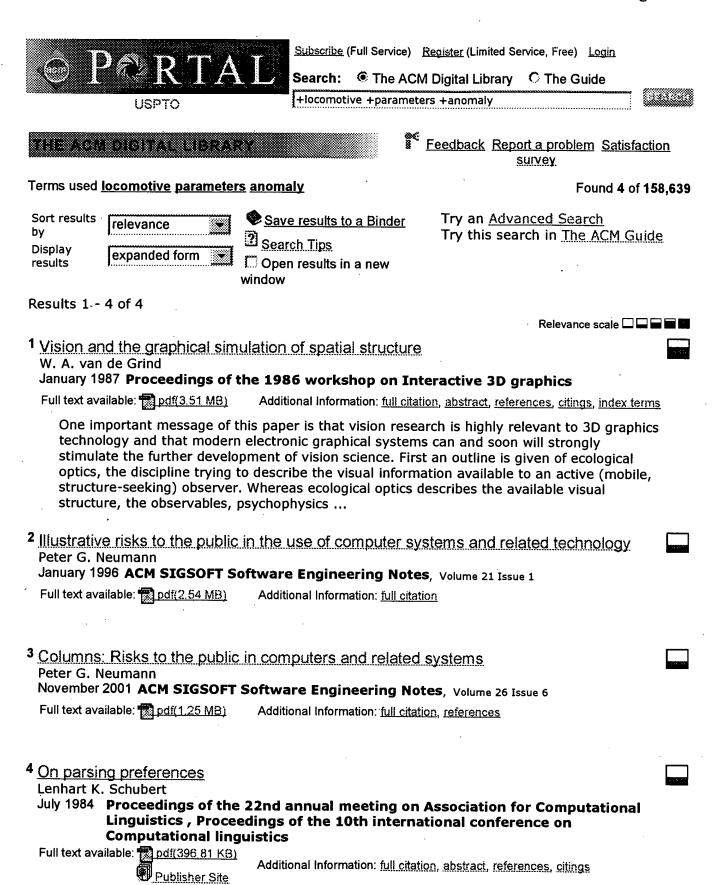
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